

## **LISTING OF CLAIMS:**

### **IN THE CLAIMS:**

**This listing of claims will replace all prior versions, and listings, of claims in the application:**

1. (Currently Amended) A method for digitally processing a signal in a frequency domain containing regular or quasi-regular elements of unwanted signal, the method comprising the steps of:
  - (i) establishing timing characteristics of the unwanted signal elements in a portion of said signal;
  - (ii) generating a time domain window function using said established timing characteristics, said time domain window function being a sinusoidal function having a zero crossing substantially coinciding with the position of each unwanted signal element; and
  - (iii) applying the generated window function to said signal portion to selectively reduce the amplitude of said unwanted signal elements relative to other elements of said signal.
2. (Canceled)
3. (Original) A method according to claim 1, further comprising the steps of:
  - (iv) applying a Fourier transform to the signal output from step (iii); and
  - (v) applying an algorithm to restore the shape of peaks in the transformed signal to an approximation of their form in the absence of said unwanted signal elements.
4. (Canceled)